

1 IN THE CLAIMS:

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4 In the following, Claims 1-6 are amended herein. An  
5 underline means please add the text, and a ~~strikeout~~ means  
6 please delete the text.  
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9 Please amend the claims as follows:  
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11  
12 Claim 1 (Twice Amended). A flowline for producing  
13 hydrocarbons from a subsea well that is comprised of a  
14 substantially neutrally buoyant tubular composite umbilical  
15 means which passes over a canyon in the ocean bottom that  
16 possesses electrical heating means within the tubular walls  
17 of said tubular composite umbilical means to prevent waxes  
18 and hydrates from forming within said flowline and blocking  
19 said flowline, whereby said electrical heating means is  
20 comprised of at least one electrical conductor disposed  
21 within said tubular walls of said composite umbilical means  
22 that conducts electrical current that is used to heat said  
23 tubular composite umbilical means, whereby said tubular  
24 composite umbilical means that contains any produced  
25 hydrocarbons is substantially neutrally buoyant in the sea  
26 water adjacent to said subsea well, and whereby said  
27 substantially neutrally buoyant tubular composite umbilical  
28 means is anchored to the sea bottom ~~in at least one location~~  
29 at a first location on a first side of said canyon and is  
30 anchored to the sea bottom at a second location on a second  
31 side of said canyon, whereby said first and second locations  
32 are on opposite sides of said canyon, and whereby a portion  
33 of said neutrally buoyant tubular composite umbilical between

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1 said first and second locations passes over said canyon in  
2 said ocean bottom.  
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5 Claim 2 (Twice Amended). A method of using a flowline for  
6 producing hydrocarbons from a subsea well that is comprised  
7 of a substantially neutrally buoyant tubular composite  
8 umbilical means which passes over a canyon in the ocean  
9 bottom that possesses electrical heating means within the  
10 tubular walls of said tubular composite umbilical means to  
11 prevent waxes and hydrates from forming within said flowline  
12 and blocking said flowline, whereby said electrical heating  
13 means is comprised of at least one electrical conductor  
14 disposed within said tubular walls of said composite  
15 umbilical means that conducts electrical current that is used  
16 to heat said tubular composite umbilical means, whereby said  
17 tubular composite umbilical means that contains any produced  
18 hydrocarbons is substantially neutrally buoyant in the sea  
19 water adjacent to said subsea well, and whereby said  
20 substantially neutrally buoyant tubular composite umbilical  
21 means is anchored to the sea bottom ~~in at least one location~~  
22 at a first location on a first side of said canyon and is  
23 anchored to the sea bottom at a second location on a second  
24 side of said canyon, whereby said first and second locations  
25 are on opposite sides of said canyon, and whereby a portion  
26 of said neutrally buoyant tubular composite umbilical between  
27 said first and second locations passes over said canyon in  
28 said ocean bottom.  
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31 Claim 3 (Twice Amended). A flowline for producing  
32 hydrocarbons from a subsea well that is comprised of a  
33 substantially neutrally buoyant tubular composite umbilical

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1 means which passes over a canyon in the ocean bottom, whereby  
2 said tubular composite umbilical means that contains any  
3 produced hydrocarbons is substantially neutrally buoyant in  
4 the sea water adjacent to said subsea well, and whereby said  
5 substantially neutrally buoyant tubular composite umbilical  
6 means is anchored to the sea bottom ~~in at least one location~~  
7 at a first location on a first side of said canyon and is  
8 anchored to the sea bottom at a second location on a second  
9 side of said canyon, whereby said first and second locations  
10 are on opposite sides of said canyon, and whereby a portion  
11 of said neutrally buoyant tubular composite umbilical between  
12 said first and second locations passes over said canyon in  
13 said ocean bottom.  
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16 Claim 4 (Twice Amended). A flowline for producing  
17 hydrocarbons from a subsea well that is comprised of a  
18 positively buoyant tubular composite umbilical means  
19 which passes over a canyon in the ocean bottom that possesses  
20 electrical heating means within the tubular walls of said  
21 tubular composite umbilical means to prevent waxes and  
22 hydrates from forming within said flowline and blocking said  
23 flowline, whereby said electrical heating means is comprised  
24 of at least one electrical conductor disposed within said  
25 tubular walls of said composite umbilical means that conducts  
26 electrical current that is used to heat said tubular  
27 composite umbilical means, whereby said tubular composite  
28 umbilical means that contains any produced hydrocarbons is  
29 positively buoyant in the sea water adjacent to said subsea  
30 well, and whereby said positively buoyant tubular composite  
31 umbilical means is anchored to the sea bottom ~~in at least one~~  
32 location at a first location on a first side of said canyon  
33 and is anchored to the sea bottom at a second location on a

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1 second side of said canyon, whereby said first and second  
2 locations are on opposite sides of said canyon, and whereby a  
3 portion of said neutrally buoyant tubular composite umbilical  
4 between said first and second locations passes over said  
5 canyon in said ocean bottom.  
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8 Claim 5 (Twice Amended). A method of using a flowline for  
9 producing hydrocarbons from a subsea well that is comprised  
10 of a positively buoyant tubular composite umbilical means  
11 which passes over a canyon in the ocean bottom that possesses  
12 electrical heating means within the tubular walls of said  
13 tubular composite umbilical means to prevent waxes and  
14 hydrates from forming within said flowline and blocking said  
15 flowline, whereby said electrical heating means is comprised  
16 of at least one electrical conductor disposed within said  
17 tubular walls of said composite umbilical means that conducts  
18 electrical current that is used to heat said tubular  
19 composite umbilical means, and whereby said tubular composite  
20 umbilical means that contains any produced hydrocarbons is  
21 positively buoyant in the sea water adjacent to said subsea  
22 well, and whereby said positively buoyant tubular composite  
23 umbilical means is anchored to the sea bottom ~~in at least one~~  
24 location at a first location on a first side of said canyon  
25 and is anchored to the sea bottom at a second location on a  
26 second side of said canyon, whereby said first and second  
27 locations are on opposite sides of said canyon, and whereby a  
28 portion of said neutrally buoyant tubular composite umbilical  
29 between said first and second locations passes over said  
30 canyon in said ocean bottom.  
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1 Claim 6 (Twice Amended).. A flowline for producing  
2 hydrocarbons from a subsea well that is comprised of a  
3 positively buoyant tubular composite umbilical means  
4 which passes over a canyon in the ocean bottom, whereby said  
5 tubular composite umbilical means that contains any produced  
6 hydrocarbons is positively buoyant in the sea water adjacent  
7 to said subsea well, and whereby said positively buoyant  
8 tubular composite umbilical means is anchored to the sea  
9 bottom ~~in at least one location at a first location on a~~  
10 first side of said canyon and is anchored to the sea bottom  
11 at a second location on a second side of said canyon, whereby  
12 said first and second locations are on opposite sides of said  
13 canyon, and whereby a portion of said neutrally buoyant  
14 tubular composite umbilical between said first and second  
15 locations passes over said canyon in said ocean bottom.  
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